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1 [Multiparty nonrepudiation: A survey](#)

Jose A. Onieva, Jianying Zhou, Javier Lopez

 December 2008 **Computing Surveys (CSUR)** , Volume 41 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (394.42 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)
Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 647, Downloads (Overall): 64

Nonrepudiation is a security service that plays an important role in many Internet applications. Nonrepudiation has been studied intensively in the literature. This survey focuses on multiparty nonrepudiation ...

Keywords: Multiparty applications, multiparty protocols, nonrepudiation

2 [Certified mailing lists](#)

Himanshu Khurana, Hyung-Seok Hahn

 March 2006 **ASIACCS '06: Proceedings of the 2006 ACM Symposium on Information, communication, and security**
Publisher: ACM [Request Permissions](#)

Full text available: Pdf (431.56 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 39, Downloads (Overall): 328,

Email List Services (or simply, *mailing lists*) are becoming increasingly common for collaboration. They enable their use for official purposes with increased effectiveness and security, services that are not possible with mail ...

Keywords: certified delivery, mailing lists

3 [Communications of the ACM: Volume 51 Issue 12](#)

 December 2008 **Communications of the ACM**
Publisher: ACM



 Full text available: Digital Edition , Pdf (6.91 MB) Additional Information: [full citation](#), [index terms](#), [...](#)
Bibliometrics: Downloads (6 Weeks): 643, Downloads (12 Months): 4198, Downloads (Overall): 10,000

4 [interactions: Volume 15 Issue 5](#)

 September 2008 **interactions**
Publisher: ACM


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Bibliometrics: Downloads (6 Weeks): 95, Downloads (12 Months): 167, Downloads (Overall): 37

5 Usable secure mailing lists with untrusted servers

 Rakesh Bobba, Joe Muggli, Meenal Pant, Jim Basney, Himanshu Khurana

April 2009 **IDTrust '09: Proceedings of the 8th Symposium on Identity and Trust on the**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (885.68 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 97, Downloads (Overall): 97,

Mailing lists are a natural technology for supporting messaging in multi-party, cross-domain. However, whenever sensitive information is exchanged on such lists, security becomes developed a prototype secure ...


Keywords: e-mail list security, proxy re-encryption, usability study

6 PBES: a policy based encryption system with application to data sharing in the power

 Rakesh Bobba, Himanshu Khurana, Musab AlTurki, Farhana Ashraf

March 2009 **ASI ACCS '09: Proceedings of the 4th International Symposium on Information Communications Security**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.14 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 105, Downloads (Overall): 105

In distributed systems users need the ability to share sensitive content with multiple entities while maintaining the ability to satisfy arbitrary policies. One such system is electricity grids where finegrained access potential ...


Keywords: multi-party data sharing, phasor measurement units (PMUs), policy based

7 Johnny 2: a user test of key continuity management with S/MIME and Outlook Express

 Simon L. Garfinkel, Robert C. Miller

July 2005 **SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security**

Publisher: ACM

Full text available:  Pdf (665.63 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 137, Downloads (Overall): 67

Secure email has struggled with significant obstacles to adoption, among them the low usability and the cost and overhead of obtaining public key certificates. Key continuity management as a way to lower ...


Keywords: Usability, e-commerce, user interaction design, user studies

8 Certified email with a light on-line trusted third party: design and implementation

 Martin Abadi, Neal Glew

May 2002 **WWW '02: Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM


Full text available:  Pdf (189.19 KB)

Additional Information: full citation, abstract, cited by, index

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 37, Downloads (Overall): 794,

This paper presents a new protocol for certified email. The protocol aims to combine secure implementation, and viable deployment. The protocol relies on a light on-line trusted third party without any special ...

9 Securing the drop-box architecture for assisted living

 Michael J. May, Wook Shin, Carl A. Gunter, Insup Lee

November 2006 **FMSE '06: Proceedings of the fourth ACM workshop on Formal methods in Software Engineering**
Publisher: ACM

Full text available:  Pdf (490.78 KB)


Additional Information: full citation, abstract, references, index

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 51, Downloads (Overall): 310,



Home medical devices enable individuals to monitor some of their own health information during nurses or trips to medical facilities. This enables more continuous information to be provided to better ...

Keywords: assisted living, formal methods, formal verification, home health monitoring

10 Accountability protocols: Formalized and verified

 Giampaolo Bella, Lawrence C. Paulson

May 2006 **Transactions on Information and System Security (TISSEC)**, Volume 9 Issue 1

Publisher: ACM Full text available:  Pdf (433.82 KB)

Additional Information: full citation, abstract, references, index

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 84, Downloads (Overall): 561


Classical security protocols aim to achieve authentication and confidentiality under the assumption that participants behave honestly. Some recent protocols are required to achieve their goals even if the participants do not ...

Keywords: Isabelle, Nonrepudiation, certified email, inductive method, proof tools

11 Experiences in building and operating ePOST, a reliable peer-to-peer application

 Alan Mislove, Ansley Post, Andreas Haeberlen, Peter Druschel

April 2006 **EuroSys '06: Proceedings of the 1st ACM SIGOPS/EuroSys European Conference on Computer Systems**
Publisher: ACM

Full text available:  Pdf (382.48 KB)

Additional Information: full citation, abstract, references, index

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 66, Downloads (Overall): 281

Peer-to-peer (p2p) technology can potentially be used to build highly reliable applications. However, most of the existing applications, such as file sharing or web caching, do not meet the demands. Without ...

Keywords: decentralized systems, electronic mail, peer-to-peer, reliability

Also published in:

October 2006 **SIGOPS Operating Systems Review** Volume 40 Issue 4

12 Authenticated names



Stanley Chow, Christophe Gustave, Dmitri Vinokurov

July 2008

NSPW '07: Proceedings of the 2007 Workshop on New Security Paradigms

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (415.57 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 11, Downloads (Overall): 11,

Currently, most means of communication include some form of identification of the sender. Identifications are securely authenticated (at least not conveniently or in wide use). Legitimacy is misrepresented ...

Keywords: VoIP, authentication, email, identity, instant messages, phishing, telephony

13 Verifiable encryption of digital signatures and applications



Giuseppe Ateniese

February 2004

Transactions on Information and System Security (TISSEC), Volume 7

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (258.12 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 171, Downloads (Overall): 276

This paper presents a new simple scheme for verifiable encryption of digital signatures. The party (TTP) but in an *optimistic* sense, that is, the TTP takes part in the protocol only if it crashes. ...

Keywords: Certified e-mail, contract signing, digital signatures, fair exchange, proof of confidentiality

14 Escrow services and incentives in peer-to-peer networks



Bill Horne, Benny Pinkas, Tomas Sander

October 2001

EC '01: Proceedings of the 3rd ACM conference on Electronic Commerce

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (265.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 75, Downloads (Overall): 703,

Distribution of content, such as music, remains one of the main drivers of P2P development. Services are currently receiving a lot of attention from the content industry as a viable distribution. One ...

15 Fair certified e-mail delivery



Aleksandra Nenadić, Ning Zhang, Stephen Barton

March 2004

SAC '04: Proceedings of the 2004 ACM symposium on Applied computing

Publisher: ACM [Request Permissions](#)


Full text available: [Pdf](#) (179.18 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)


Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 53, Downloads (Overall): 703

Communication by e-mail has become a vital part of everyday business and has replaced ways of communicating. Important business correspondence may require certified e-mail provided by conventional ...

16 [An intruder model for verifying liveness in security protocols](#)

 Jan Cederquist, Mohammad Torabi Dashti

November 2006 **FMSE '06**: Proceedings of the fourth ACM workshop on Formal methods in
Publisher: ACM

Full text available:  Pdf (231.15 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 35, Downloads (Overall): 277,

We present a process algebraic intruder model for verifying a class of liveness properties. In this class, the proposed intruder model is proved to be equivalent to a Dolev-Yao intruder model for the delivery ...

Keywords: Dolev-Yao intruder, intruder models, liveness properties, security protocols

17 [A new fair non-repudiation protocol for secure negotiation and contract signing](#)

 A. Ruiz-Martinez, C. I. Marín-López, L. Baño-López, A. F. Gómez Skarmeta

October 2006 **PST '06**: Proceedings of the 2006 International Conference on Privacy, Security, and Trust
Publisher: ACM

Full text available:  Pdf (280.60 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 51, Downloads (Overall): 51,

In some scenarios, such as B2B or IPR contracting, or by legal requirement, the parties to a contract signing is required in many cases, that is, an on-line TTP. This e-notary gives a notary performs some tasks ...


Keywords: abuse freeness, confidentiality, contract negotiation, contract signing protocols, security

18 [An abuse-free fair contract signing protocol based on the RSA signature](#)

 Gulin Wang

May 2005 **WWW '05**: Proceedings of the 14th international conference on World Wide Web

Publisher: ACM

Full text available:  Pdf (198.83 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 54, Downloads (Overall): 330,

A fair contract signing protocol allows two potentially mistrusted parties to exchange their signatures to an agreed contract over the Internet in a fair way, so that either each of the parties has a signature, or ...

Keywords: RSA, contract signing, cryptographic protocols, digital signatures, e-commerce

19 [Fair exchange in E-commerce](#)

 Indrajit Ray, Indrakshi Ray

March 2002 **SI Gecom Exchanges**, Volume 3 Issue 2

Publisher: ACM

Full text available:  Pdf (45.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 74, Downloads (Overall): 94



Many business transactions over the Internet involve the exchange of digital products like e-mails, digital audio and video, electronic contract signing and digital signatures, to name a few. These transactions occur between ...

Keywords: electronic commerce, fair-exchange, protocols, security

20 [Communications of the ACM: Volume 52 Issue 10](#)

 October 2009 [Communications of the ACM](#)

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (7.38 MB) **Additional Information:** [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1607, Downloads (12 Months): 1607, Downloads (Overall): 1607

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